FIG. 1

101A

NAME
REGISTRATION

A

SEND NECESSARY PAGE OF
DOCUMENT CONCERNING
CONTACT ADDRESS IN
VACATION, TO NECESSARY
BIN

101B

B

101C

C

102

101D

D

BIN NAME: "1ST PERSONNEL DEPT."

BIN NAME: "2ND PERSONNEL DEPT."

BIN NAME: "3RD PERSONNEL DEPT."

BIN NAME: "1ST SECRETARY DEPT."

BIN NAME: "2ND SECRETARY DEPT."

BIN NAME: "3RD SECRETARY DEPT."

BIN NAME: "ADMINISTRATION DEPT."

PAGES 1, 2

PAGES 1, 3

PAGES 1, 4

FIG. 2

DOCUMENT CONCERNING
CONTACT ADDRESS IN VACATION

PAGE 1

NOTANDUM

TO: 1ST PERSONNEL DEPT.
2ND PERSONNEL DEPT.
3RD PERSONNEL DEPT.

PAGE 3

2ND PERSONNEL DEPT.
CONTACT ADDRESS

TO: 2ND PERSONNEL DEPT.

PAGE 5

1ST SECRETARY DEPT.
CONTACT ADDRESS
(UNDER CONSTRUCTION)
TO: NONE

PAGE 2

1ST PERSONNEL DEPT.
CONTACT ADDRESS

TO: 1ST PERSONNEL DEPT.

PAGE 4

3RD PERSONNEL DEPT.
CONTACT ADDRESS

TO: 3RD PERSONNEL DEPT.

FIG. 3

REGISTRATION OF SHEET DISCHARGE PORT NAME

	SHEET DISCHARGE PORT (DISTRIBUTION ADDRESS) NAME:	THE NUMBER OF GROUP MEMBERS:
BIN 1:	1ST PERSONNEL DEPT.	7
BIN 2:	2ND PERSONNEL DEPT.	9
BIN 3:	3RD PERSONNEL DEPT.	7
BIN 4:	1ST SECRETARY DEPT.	10
BIN 5:	2ND SECRETARY DEPT.	10
BIN 6:	3RD SECRETARY DEPT.	9
BIN 7:	ADMINISTRATION DEPT.	9

501 502 503

504 — OK   CANCEL — 505

FIG. 4

DESIGNATION OF MAIL BOX SHEET DISCHARGE

2701 ⌐ SELECTED DOCUMENT: CONTACT ADDRESS IN VACATION.doc

DISTRIBUTION PAGE: | PAGE 1   ▼ | | DISTRIBUTION ADDRESS DESIGNATION | ─2703

2702

DISTRIBUTION ADDRESS DESIGNATION SITUATION: 2704

PAGE 1:   DISTRIBUTION ADDRESS DESIGNATION END

PAGE 2:   DISTRIBUTION ADDRESS DESIGNATION END

PAGE 3:   DISTRIBUTION ADDRESS DESIGNATION END

PAGE 4:   DISTRIBUTION ADDRESS DESIGNATION END

PAGE 5:   UNDESIGNATED

2705 ⌐| REFER TO DESIGNATED CONTENT OF SELECTED PAGE |

| OK | | CANCEL |

2706   2707

FIG. 5

DESIGNATION OF DISTRIBUTION ADDRESS

SELECTED DOCUMENT: CONTACT ADDRESS IN VACATION.doc
DISTRIBUTION PAGE: PAGE 1

DISTRIBUTION: DISTRIBUTION ADDRESS:

601 {
☑   1ST PERSONNEL DEPT.
☑   2ND PERSONNEL DEPT.
☑   3RD PERSONNEL DEPT.
☐   1ST SECRETARY DEPT.
☐   2ND SECRETARY DEPT.
☐   3RD SECRETARY DEPT.
☐   ADMINISTRATION DEPT.
} 602

603   604

THE NUMBER OF
DISTRIBUTION COPIES: [1] ☐ FOR ALL
MEMBERS

[OK]   [CANCEL]

605   606

FIG. 6

FIG. 7

BYTE \ BIT	7	6	5	4	3	2	1	0	
0				OPERATION CODE					~701
1									
2				BLOCK NO.					~702
3									
4		NOTIFICATION FLAG 704		PARAMETER LENGTH					~703
5									
6	705 ERROR FLAG								
7									
8				USER ID		708 RESPONSE REQUEST	707 CONTINUATION FLAG	706 RESPONSE TRANSMISSION	~709
9									
10				PASSWORD					~710
11									
12–				DATA UNIT					~711

FIG. 8

```
        ( JOB PACKET GENERATION UNIT )
                     │
                     ▼           S301
              ╱─────────────╲
            ╱   INTERRUPTION   ╲      YES
           ◁    DESIGNATED       ▷──────────────┐
            ╲        ?         ╱                 │
              ╲─────────────╱                    │
                     │ NO      S302              │         S303
                     ▼                           ▼
        ┌─────────────────────┐    ┌─────────────────────────┐
        │ DESIGNATE OPERATION │    │ DESIGNATE OPERATION      │
        │ MODE TO 0×01        │    │ MODE TO 0×04             │
        └─────────────────────┘    └─────────────────────────┘
                     │                           │
                     │◄──────────────────────────┘
                     ▼                S304
        ┌─────────────────────┐
        │ ISSUE JOB PACKET WITH│
        │ JOB START OPERATION  │
        │ DESIGNATED           │
        └─────────────────────┘
                     │                S305
                     ▼
        ┌─────────────────────┐
        │ ISSUE JOB PACKET WITH JOB│
        │ NAME SETTING ATTRIBUTE   │
        │ SETTING OPERATION        │
        │ DESIGNATED               │
        └─────────────────────┘
                     │                S306
                     ▼
        ┌─────────────────────┐
        │ ISSUE JOB PACKET WITH JOB│
        │ OWNER SETTING ATTRIBUTE  │
        │ SETTING OPERATION        │
        │ DESIGNATED               │
        └─────────────────────┘
                     │                S307
                     ▼
        ┌─────────────────────┐
        │ ISSUE JOB PACKET WITH JOB│
        │ SIZE SETTING ATTRIBUTE   │
        │ SETTING OPERATION        │
        │ DESIGNATED               │
        └─────────────────────┘
                     │                S308
                     ▼
        ┌─────────────────────┐
        │ ISSUE JOB PACKET WITH    │
        │ SHEET DISCHARGE MODE     │
        │ SETTING ATTRIBUTE SETTING │
        │ OPERATION DESIGNATED      │
        └─────────────────────┘
                     │                S309
                     ▼
        ┌─────────────────────┐
        │ SIZE=SIZE OF PDL DATA │
        └─────────────────────┘
                     │
                     ▼
                   ( B )
```

FIG. 9

B

S310
SIZE>64KB ? — YES

NO

CONTINUATION FLAG=0 — S311

SET REMAINING PDL DATA AS PARAMETER, AND ISSUE JOB PACKET WITH PDL DATA TRANSMISSION OPERATION DESIGNATED — S312

ISSUE JOB PACKET WITH JOB END OPERATION DESIGNATED — S313

END

CONTINUATION FLAG=1 — S314

FETCH 64KB PDL DATA, SET FETCHED DATA AS PARAMETER, AND ISSUE JOB PACKET WITH PDL DATA TRANSMISSION OPERATION DESIGNATED — S315

SIZE=SIZE−64KB — S316

FIG. 10

START OF NAME REGISTRATION PROC

S401
SHEET DISCHARGE PORT NAME REGISTRATION DESIGNATED ?

NO

YES

S402
SHEET DISCHARGE PORT NAME EDITING DESIGNATED ?

NO

YES

ACQUIRE DESIGNATED SHEET DISCHARGE PORT NAME — S403

ACQUIRE DESIGNATED NUMBER OF GROUP MEMBERS — S404

TRANSMIT DESIGNATION TO IMAGE RECORDING DEVICE — S405

END OF NAME REGISTRATION PROC

FIG. 11

JOB DATA HEADER UNIT

BINDER 1 DATA UNIT

BINDER 2 DATA UNIT

BINDER 3 DATA UNIT

BINDER 4 DATA UNIT

DESIGNATED SHEET DISCHARGE PORT:
1ST PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

DESIGNATED SHEET DISCHARGE PORT:
2ND PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

DESIGNATED SHEET DISCHARGE PORT:
3RD PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

CONTACT ADDRESS IN VACATION.doc/
IMAGE DATA UNIT OF PAGE 1

DESIGNATED SHEET DISCHARGE PORT:
1ST PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

CONTACT ADDRESS IN VACATION.doc/
IMAGE DATA UNIT OF PAGE 2

DESIGNATED SHEET DISCHARGE PORT:
2ND PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

CONTACT ADDRESS IN VACATION.doc/
IMAGE DATA UNIT OF PAGE 3

DESIGNATED SHEET DISCHARGE PORT:
3RD PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

CONTACT ADDRESS IN VACATION.doc/
IMAGE DATA UNIT OF PAGE 4

FIG. 12

FIG. 13

```
( START OF JOB PREPROCESSOR PROC )
                    │
                    ▼
          ┌──────────────────┐  S501
          │ RECEIVE JOB PACKET │
          └──────────────────┘
                    │
                    ▼                      S502
              ◇ JOB ◇
     NO      START OPERATION
   ◄────────      ?
   │            │ YES              S504
   ▼ S503       ▼
┌───────────────┐   ┌──────────────────┐
│BREAK JOB PACKET│   │  ACQUIRE JOB ID  │
└───────────────┘   └──────────────────┘
                          │
                          ▼              S505
                ┌──────────────────────┐
                │ ADD JOB IN QUESTION  │
                │ TO JOB READING TABLE │
                └──────────────────────┘
                          │
                          ▼                  S506
                ◇ OPERATION MODE=0×04 ◇  YES
                          ?
                          │ NO
                          │        ┌──────────────────────────┐ S507
                          │        │ ISSUE INTERRUPTION        │
                          │        │ INSTRUCTION TO            │
                          │        │ INTERRUPTION PROC UNIT    │
                          │        └──────────────────────────┘
                          ▼              S508
                ┌──────────────────┐
                │ RECEIVE JOB PACKET │
                └──────────────────┘
                          │
                          ▼                  S509
                ◇ ATTRIBUTE ◇  YES
                  SETTING OPERATION
                          ?                        S510
                          │ NO      ┌──────────────────────────┐
                          │         │ SET ATTRIBUTE DATA TO     │
                          ▼         │ DEVICE DATA BASE UNIT     │
                ◇ PDL DATA ◇  YES   └──────────────────────────┘
                 TRANSMISSION OPERATION              S512
                          ?         ┌──────────────────────────┐
                          │ NO      │ ADD PDL DATA TO JOB       │
                          ▼  S513   │ SPOOLER                   │
         YES  ◇ JOB ◇              └──────────────────────────┘
        ◄──── END OPERATION
                          ?
                          │ NO      S514
                ┌──────────────────┐
                │ BREAK JOB PACKET │
                └──────────────────┘
```

FIG. 14A

JOB ID
1
2
3
4

FIG. 14B

JOB ID
1
2
3
4
5

ADD JOB 5 ⟶

FIG. 14C

JOB ID
2
3
4
5

⟶ END OR CANCEL
JOB 1 PRINTING

FIG. 15

102

LASER BEAM
PRINTER

104

PANEL UNIT

101

EXTERNAL DEVICE

103

VIDEO CONTROLLER

80

ENGINE
CONTROLLER

105

90 106

OPTION CONTROLLER UNIT

CONTROL UNIT

109

70

| 107b | 107a |

SHEET FEED OPTION DEVICE — 107

70

| 108b | 108a |

SHEET DISCHARGE OPTION
DEVICE — 108

FIG. 16

FIG. 17

FIG. 18

VC ··· VIDEO CONTROLLER
EC ··· ENGINE CONTROLLER

SIGNAL NAME	DIRECTION	CONTENTS
/CPRDY	VC→EC	SIGNAL REPRESENTING THAT VIDEO CONTROLLER 103 IS IN STATE CAPABLE OF COMMUNICATING WITH ENGINE CONTROLLER 105
/PPRDY	VC←EC	SIGNAL REPRESENTING THAT ENGINE CONTROLLER 105 IS IN STANDBY STATE CAPABLE OF COMMUNICATING WITH VIDEO CONTROLLER 103
/RDY	VC→EC	SIGNAL REPRESENTING THAT ENGINE CONTROLLER 105 IS IN STANDBY STATE CAPABLE OF PERFORMING PRINTING
/PRNT	VC→EC	SIGNAL CAUSING VIDEO CONTROLLER 103 TO ISSUE PRINTING REQUEST TO ENGINE CONTROLLER 105
/VSREQ	VC←EC	SIGNAL CAUSING ENGINE CONTROLLER 105 TO REQUEST VERTICAL SYNC SIGNAL TO VIDEO CONTROLLER 103
/VSYNC	VC→EC	VERTICAL SYNC SIGNAL OUTPUT FROM VIDEO CONTROLLER 103 TO ENGINE CONTROLLER 105
/BD	VC←EC	HORIZONTAL SYNC SIGNAL OUTPUT FROM ENGINE CONTROLLER 105 TO VIDEO CONTROLLER 103
/CCRT	VC←EC	SIGNAL INFORMING VIDEO CONTROLLER 103 OF STATE CHANGE BY BECOMING "TRUE" WHEN CONTENT OF STATUS NOT DIRECTLY CONCERNING RDY SIGNAL CHANGES
/SCLK	VC→EC	SYNC CLOCK SIGNAL FOR SERIAL COMMUNICATION
/CMD	VC→EC	COMMAND SIGNAL CAUSING VIDEO CONTROLLER 103 TO ISSUE INSTRUCTION TO ENGINE CONTROLLER 105
/CBSY	VC→EC	STROBE SIGNAL FOR COMMAND OUTPUT
/STS	VC←EC	SIGNAL REPRESENTING STATUS IN ENGINE UNIT OUTPUT FOR COMMAND FROM VIDEO CONTROLLER 103
/SBSY	VC←EC	SIGNAL FOR STATUS OUTPUT

FIG. 19

VC · · · VIDEO CONTROLLER
OC · · · OPTION CONTROLLER
EC · · · ENGINE CONTROLLER

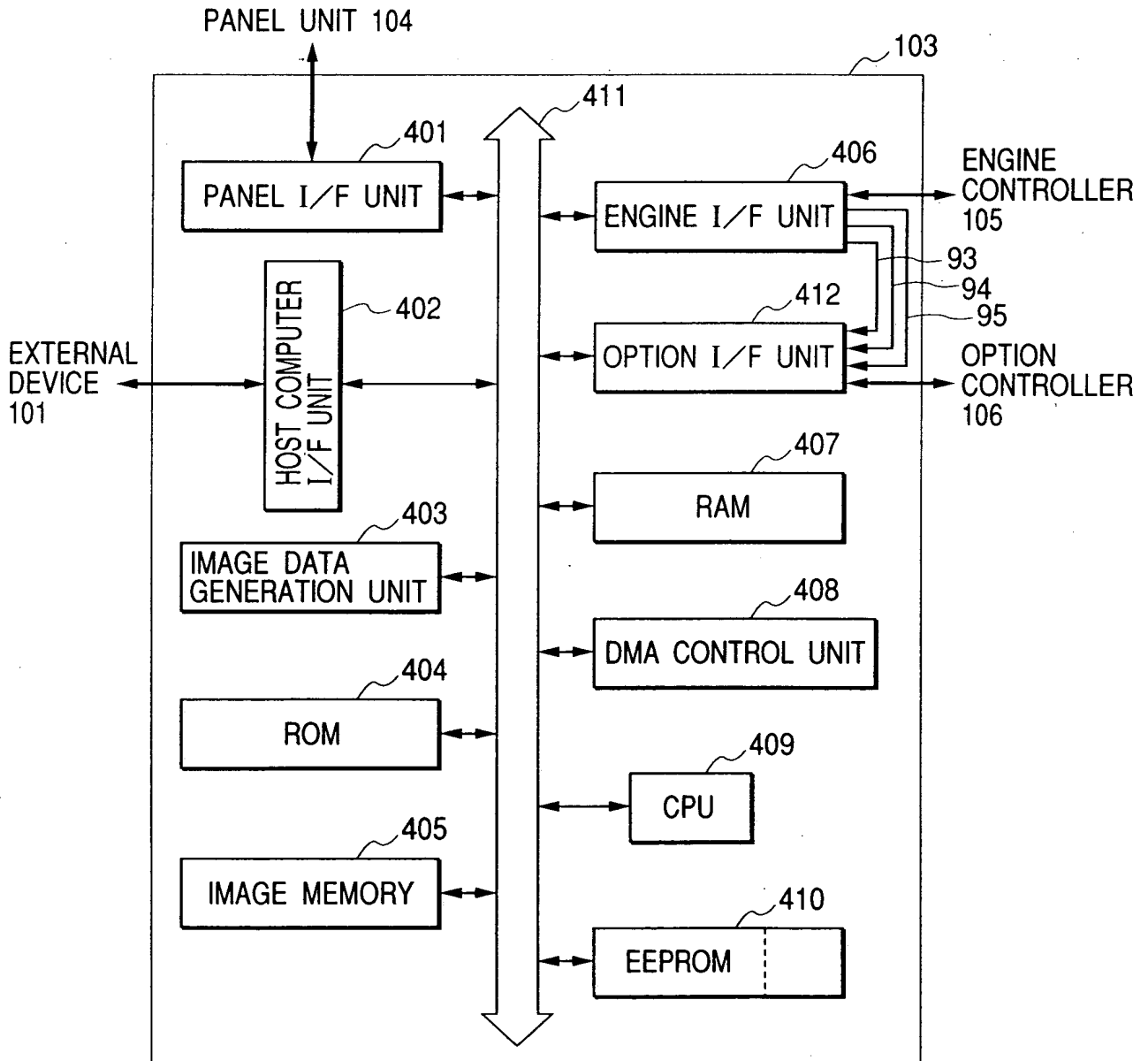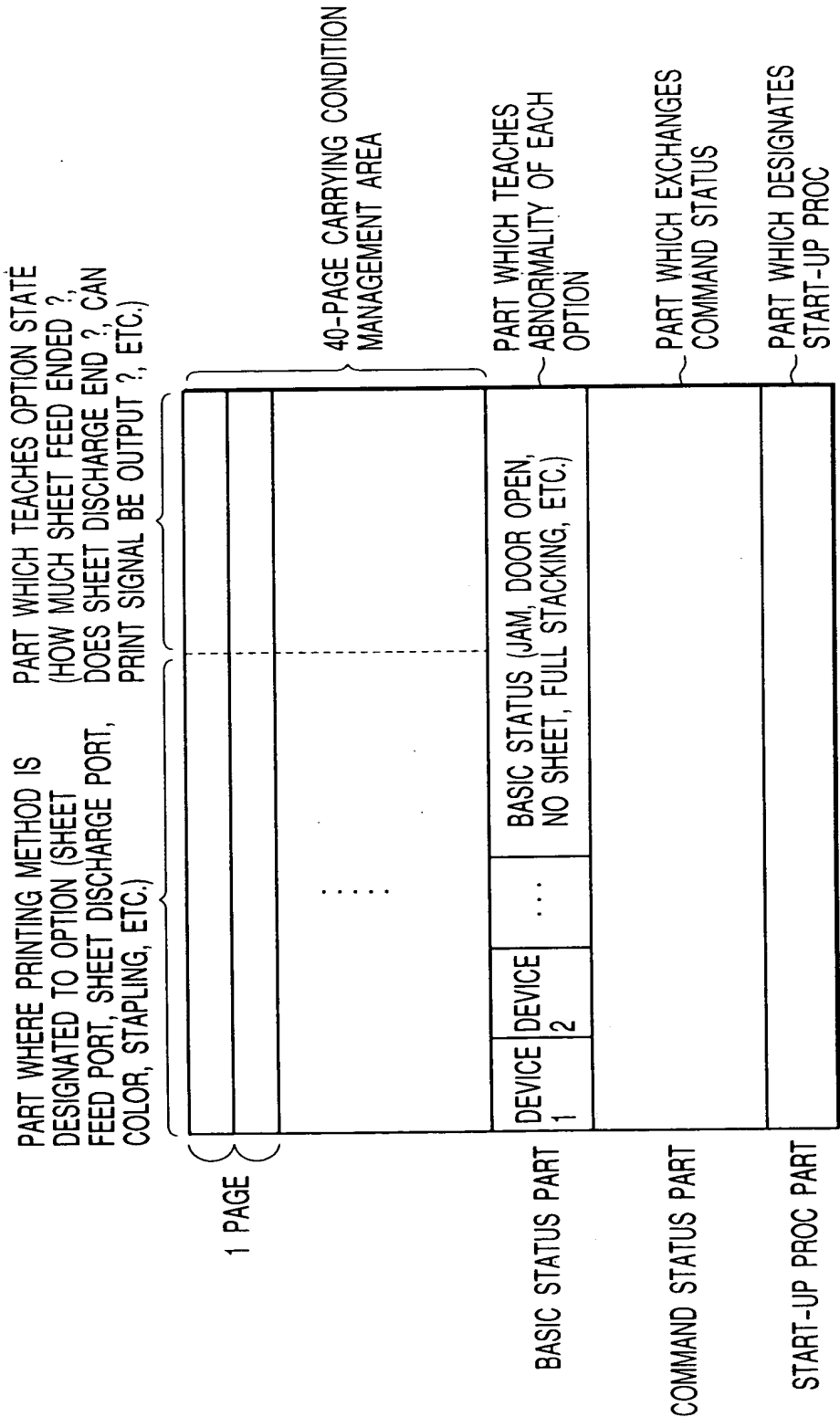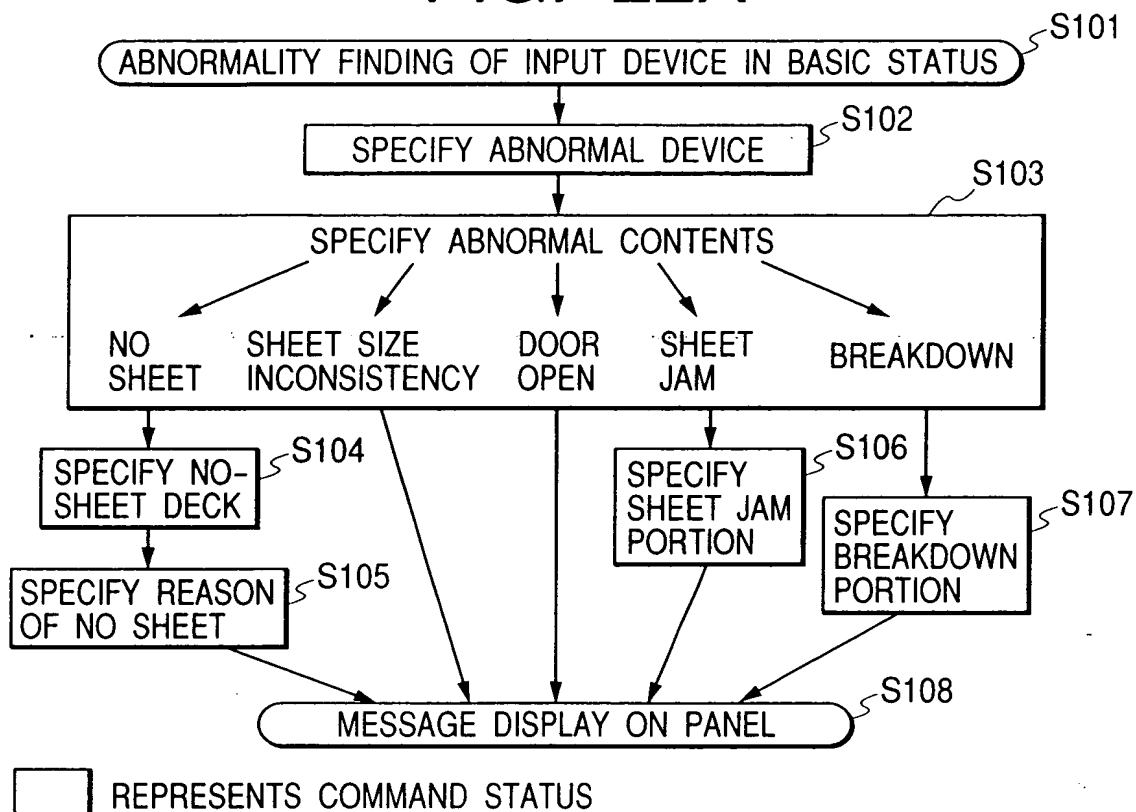| SIGNAL NAME	DIRECTION	CONTENTS
SERIAL COMMUNICATION I/F	VC↔OC	I/F PERFORMING SHEET FEED DESIGNATION TO SHEET FEED OPTION, SHEET DISCHARGE BIN DESIGNATION TO SHEET DISCHARGE OPTION, COMMAND DESIGNATION, ETC. THROUGH SHARED MEMORY
/OPTRDY	VC←OC	SIGNAL REPRESENTING READY STATE FOR FUNCTION GIVEN IN DESIGNATED OPTION DEVICE
/POUTT	EC→OC	TIMING SIGNAL USED WHEN PRINTER BODY DISCHARGES RECORDING SHEET
/PFEDT	EC→OC	TIMING SIGNAL USED WHEN PRINTER BODY RECEIVES RECORDING SHEET FROM OPTION UNIT
/SPCNG	EC→OC	SIGNAL TO SLOW DOWN RECORDING SHEET HIGH-SPEED CARRIED IN OPTION DEVICE TO MATCH IT WITH CARRYING SPEED OF PRINTER BODY

FIG. 20

PANEL UNIT 104

103

411

PANEL I/F UNIT — 401

HOST COMPUTER I/F UNIT — 402

EXTERNAL DEVICE 101

IMAGE DATA GENERATION UNIT — 403

ROM — 404

IMAGE MEMORY — 405

ENGINE I/F UNIT — 406

ENGINE CONTROLLER 105

93
94
95

OPTION I/F UNIT — 412

OPTION CONTROLLER 106

RAM — 407

DMA CONTROL UNIT — 408

CPU — 409

EEPROM — 410

FIG. 21

PART WHERE PRINTING METHOD IS
DESIGNATED TO OPTION (SHEET
FEED PORT, SHEET DISCHARGE PORT,
COLOR, STAPLING, ETC.)

PART WHICH TEACHES OPTION STATE
(HOW MUCH SHEET FEED ENDED ?,
DOES SHEET DISCHARGE END ?, CAN
PRINT SIGNAL BE OUTPUT ?, ETC.)

40-PAGE CARRYING CONDITION
MANAGEMENT AREA

PART WHICH TEACHES
ABNORMALITY OF EACH
OPTION

PART WHICH EXCHANGES
COMMAND STATUS

PART WHICH DESIGNATES
START-UP PROC

BASIC STATUS (JAM, DOOR OPEN,
NO SHEET, FULL STACKING, ETC.)

DEVICE 1   DEVICE 2   . . .

. . . . .

1 PAGE

BASIC STATUS PART

COMMAND STATUS PART

START-UP PROC PART

FIG. 22A

ABNORMALITY FINDING OF INPUT DEVICE IN BASIC STATUS — S101

SPECIFY ABNORMAL DEVICE — S102

SPECIFY ABNORMAL CONTENTS — S103

NO SHEET · SHEET SIZE INCONSISTENCY · DOOR OPEN · SHEET JAM · BREAKDOWN

SPECIFY NO-SHEET DECK — S104

SPECIFY SHEET JAM PORTION — S106

SPECIFY BREAKDOWN PORTION — S107

SPECIFY REASON OF NO SHEET — S105

MESSAGE DISPLAY ON PANEL — S108

☐ REPRESENTS COMMAND STATUS

FIG. 22B

ABNORMALITY FINDING OF OUTPUT DEVICE IN BASIC STATUS — S111

SPECIFY ABNORMAL DEVICE — S112

SPECIFY ABNORMAL CONTENTS — S113

FULL STACKING · NO STAPLE · DOOR OPEN · SHEET JAM · BREAKDOWN

SPECIFY FULL-STACKING DECK — S114

SPECIFY SHEET JAM PORTION — S115

SPECIFY BREAKDOWN PORTION — S116

MESSAGE DISPLAY ON PANEL — S117

FIG. 23

START OF OPTION INFORMATION
ACQUIREMENT PROC

DESIGNATE COMMAND ID — S201

DESIGNATE THE NUMBER OF
COMMAND DATA — S202

DESIGNATE DATA — S203

NOTIFY COMMAND TRANSMISSION — S204

TIME OUT
? — S205

YES → NOTIFY COMMAND RETRY — S211

NO

STATUS
ACQUIRABLE STATE
? — S206

NO

YES

ACQUIRE STATUS COMMAND ID — S207

ACQUIRE THE NUMBER OF
STATUS DATA — S208

ACQUIRE STATUS DATA — S209

NOTIFY STATUS ACQUIREMENT
END — S210

END OF OPTION INFORMATION
ACQUIREMENT PROC

FIG. 24

101 — EXTERNAL DEVICE

PRINTING DATA
CONTROL DATA

402 — HOST COMPUTER I/F UNIT

1 BLOCK

1001 — ANALYSIS DEVELOPMENT TASK

IMAGE DATA

STATE SETTING

1300 — JOB CONTROL TABLE

REFERENCE

PAGE OPERATION TASK — 1002

PAGE QUEUE

STATE OBSERVATION

n+7

n+6 | n+5 | n+4 | n+3 | n+2 | n+1 | n

1100 PAGE TABLE

STATE SETTING

BIT DATA

1003 — ENGINE I/F TASK

OPTION I/F TASK — 1004

OPTION STATUS

412

406
ENGINE I/F UNIT

ENGINE STATUS
/CCRT SIGNAL STATE, ETC.

OPTION I/F UNIT

106

105
ENGINE CONTROLLER

OPTION CONTROLLER UNIT

FIG. 25

405 IMAGE MEMORY

1100 PAGE TABLE

1101	PAGE NO.
1102	RASTER POINTER
1103	STATE FLAG

ONE-PAGE RASTER STORAGE AREA

CONTROL INFORMATION

SHEET FEED MODE	1104
REQUESTED SHEET SIZE	1105
COPY PAGE ID	1106
PROC NO.	1107
SHEET DISCHARGE MODE	1108
DISCRIMINATION NAME	1109
THE NUMBER OF PRINTING	1110
SHEET DISCHARGE PORT	1111

STATE FLAG

1103e   1103c   1103a
  1103d   1103b

1: DEVELOPMENT END/0: DEVELOPMENT UNENDED

1: DESIGNATION END/0: DESIGNATION UNENDED

1: PRINTING START/0: PRINTING UNSTARTED

1: SHEET DISCHARGE END/0: SHEET DISCHARGE UNENDED

1: RELEASED/0: UNRELEASED

FIG. 26

407 RAM

1200 ENGINE STATE TABLE

1201	/RDY STATE
1202	/CCRT STATE
1203	THE NUMBER OF SHEET FEEDERS
1204	SHEET PRESENCE/ABSENCE IN CASSETTE 1
1205	SHEET SIZE IN CASSETTE 1
1206	SHEET PRESENCE/ABSENCE IN PAPER DECK
1207	SHEET SIZE IN PAPER DECK
1208	SHEET PRESENCE/ABSENCE IN MP TRAY
1209	SHEET SIZE IN MP TRAY

FIG. 27

407 RAM

1300 JOB CONTROL TABLE

1301	JOB ID
1302	JOB END STATE

1303	PRESENCE/ABSENCE OF SORTING DESIGNATION
1304	USABLE BIN NO.
1305	THE NUMBER OF COPIES OF SORTING
1306	THE NUMBER OF ORIGINAL PAGES
1307	PAGE NUMBER DETERMINATION STATE

FIG. 28

(START OF PRINTING PROC)

S601 ANALYZE DRAWING INFORMATION AND CONTROL INFORMATION

S602 STORE DRAWING INFORMATION AND CONTROL INFORMATION

S603 SHEET DISCHARGE MODE AUTOMATICALLY DESIGNATED ? — NO

YES

S604 JOB SEPARATION AUTOMATICALLY DESIGNATED ? — NO

YES

S605 RETRIEVAL PROC IN JOB SEPARATION AUTOMATIC DESIGNATION

S606 MAIL BOX SHEET DISCHARGE DESIGNATED ? — NO

YES

S607 RETRIEVAL PROC IN MAIL BOX SHEET DISCHARGE DESIGNATION

S612 PROC IN FIXED DESIGNATION

S608 SORTING DESIGNATED ? — NO

YES

S609 RETRIEVAL PROC IN SORTING DESIGNATION

(2)

S613 RETRIEVAL PROC IN FRAUDULENT DESIGNATION

S610 STACKING DESIGNATED ? — NO

YES

S611 RETRIEVAL PROC IN STACKING DESIGNATION

(2)

S614 ABNORMALITY ? — YES

NO

S615 NOTIFICATION OF ENGINE CONTROL PROC EXECUTION JOB END TO HOST COMPUTER

S616 DISPLAY ERROR

(PRINTING PROC END)

(1)

(1)

S617 ABNORMALITY RELEASED ? — NO

YES

S618 RELEASE ERROR DISPLAY

FIG. 29

```
        ┌──────────────────────────────────┐
        │  START OF MAIL BOX SHEET         │
        │  DISCHARGE RETRIEVAL PROC        │
        └──────────────────────────────────┘
                      │
                      ▼
        ┌──────────────────────────────────┐  S701
        │  FETCH DESIGNATED SHEET          │
        │  DISCHARGE PORT NAME             │
        └──────────────────────────────────┘
                      │
                      ▼
                 S702
            ╱─────────────╲
           ╱  SAME-NAME     ╲         NO
          ╱ SHEET DISCHARGE  ╲─────────────────┐
          ╲ PORT  EXIST      ╱                 │
           ╲       ?        ╱                  ▼
            ╲─────────────╱              ┌──────────────────────┐  S704
                  │ YES    S703          │ RETRIEVAL PROC IN    │
                  ▼                      │ FRAUDULENT DESIGNATION│
        ┌──────────────────────────┐    └──────────────────────┘
        │ DETERMINE NAME-COINCIDENT│            │
        │ BIN AS SHEET DISCHARGE   │            │
        │ PORT                     │            │
        └──────────────────────────┘            │
                  │◄────────────────────────────┘
                  ▼
                 S705
            ╱─────────────╲
     YES   ╱   OTHER        ╲
   ┌──────╱ DESIGNATED SHEET ╲
   │      ╲ DISCHARGE PORT NAME╱
   │       ╲  EXIST  ?       ╱
   │        ╲─────────────╱
   │              │ NO
   │              ▼
   │    ┌──────────────────────────┐
   │    │  END OF MAIL BOX SHEET   │
   │    │  DISCHARGE RETRIEVAL PROC│
   │    └──────────────────────────┘
```

FIG. 30

```
┌─────────────────────────────────┐
│  START OF SHEET DISCHARGE       │
│  PORT INFORMATION UPDATE PROC   │
└─────────────────────────────────┘
```

S801

STATE CHANGE ?   NO

YES

UPDATE STACKING STATE   S802

WAIT FOR CERTAIN TIME   S803

FIG. 31

```
┌─────────────────────────────────┐
│  START OF SHEET DISCHARGE       │
│  PORT DISPLAY PROC              │
└─────────────────────────────────┘
```

S901

EVENT NOTIFICATION ?   NO

YES

ANALYZE STATE   S902

DISPLAY NOTIFIED CONTENT
OR RELEASE DISPLAY   S903

FIG. 32

DESIGNATION OF MAIL BOX SHEET DISCHARGE

SELECTED DOCUMENT: | TIMETABLE.bmp | REFERENCE

3201   3202   2703

DISTRIBUTION PAGES: [1 ▼] – [2 ▼]   DISTRIBUTION ADDRESS DESIGNATION

3203

DISTRIBUTION ADDRESS DESIGNATION SITUATION: 2704

CONTACT ADDRESS IN VACATION.doc/PAGE 1	DISTRIBUTION ADDRESS DESIGNATION END
CONTACT ADDRESS IN VACATION.doc/PAGE 2	DISTRIBUTION ADDRESS DESIGNATION END
CONTACT ADDRESS IN VACATION.doc/PAGE 3	DISTRIBUTION ADDRESS DESIGNATION END
CONTACT ADDRESS IN VACATION.doc/PAGE 4	DISTRIBUTION ADDRESS DESIGNATION END
COMMUNICATION TABLE.doc/PAGES 1-3	DISTRIBUTION ADDRESS DESIGNATION END
TIMETABLE.bmp/PAGES 1-2	DISTRIBUTION ADDRESS DESIGNATION END

2705 — REFER TO DESIGNATED CONTENT OF SELECTED PAGE

OK   CANCEL

2706   2707

FIG. 33

JOB DATA HEADER UNIT
BINDER 1 DATA UNIT
BINDER 4 DATA UNIT
BINDER 5 DATA UNIT
BINDER 6 DATA UNIT

DESIGNATED SHEET DISCHARGE PORT:
1ST PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

DESIGNATED SHEET DISCHARGE PORT:
2ND PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

DESIGNATED SHEET DISCHARGE PORT:
3RD PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

CONTACT ADDRESS IN VACATION.doc/
IMAGE DATA UNIT OF PAGE 1

DESIGNATED SHEET DISCHARGE PORT:
3RD PERSONNEL DEPT.
THE NUMBER OF COPIES: 1

CONTACT ADDRESS IN VACATION.doc/
IMAGE DATA UNIT OF PAGE 4

DESIGNATED SHEET DISCHARGE PORT:
ADMINISTRATION DEPT.
THE NUMBER OF COPIES: 9

COMMUNICATION TABLE.doc/
IMAGE DATA UNIT OF PAGES 1-3

DESIGNATED SHEET DISCHARGE PORT:
1ST PERSONNEL DEPT.
THE NUMBER OF COPIES: 7

DESIGNATED SHEET DISCHARGE PORT:
2ND PERSONNEL DEPT.
THE NUMBER OF COPIES: 9

DESIGNATED SHEET DISCHARGE PORT:
3RD PERSONNEL DEPT.
THE NUMBER OF COPIES: 7

DESIGNATED SHEET DISCHARGE PORT:
1ST SECRETARY DEPT.
THE NUMBER OF COPIES: 10

DESIGNATED SHEET DISCHARGE PORT:
2ND SECRETARY DEPT.
THE NUMBER OF COPIES: 10

DESIGNATED SHEET DISCHARGE PORT:
3RD SECRETARY DEPT.
THE NUMBER OF COPIES: 9

TIMETABLE.bmp/
IMAGE DATA UNIT OF PAGES 1-2

FIG. 34

REGISTRATION OF SHEET DISCHARGE PORT NAME

SHEET DISCHARGE PORT
(DISTRIBUTION ADDRESS) NAME:

501 {

BIN 1:	1ST PERSONNEL DEPT.
BIN 2:	2ND PERSONNEL DEPT.
BIN 3:	3RD PERSONNEL DEPT.
BIN 4:	1ST SECRETARY DEPT.
BIN 5:	2ND SECRETARY DEPT.
BIN 6:	3RD SECRETARY DEPT.
BIN 7:	ADMINISTRATION DEPT.

} 502

504 — OK   CANCEL — 505

FIG. 35

DESIGNATION OF DISTRIBUTION ADDRESS

SELECTED DOCUMENT: TIMETABLE.bmp

DISTRIBUTION PAGE: 1-2

DISTRIBUTION:	DISTRIBUTION ADDRESS:	THE NUMBER OF DISTRIBUTION COPIES:
☑	1ST PERSONNEL DEPT.	7
☑	2ND PERSONNEL DEPT.	9
☑	3RD PERSONNEL DEPT.	7
☑	1ST SECRETARY DEPT.	10
☑	2ND SECRETARY DEPT.	10
☑	3RD SECRETARY DEPT.	9
☐	ADMINISTRATION DEPT.	9

601   602   3001

605 OK   606 CANCEL

FIG. 36

STORAGE MEDIUM SUCH AS FD, CD-ROM, ETC.

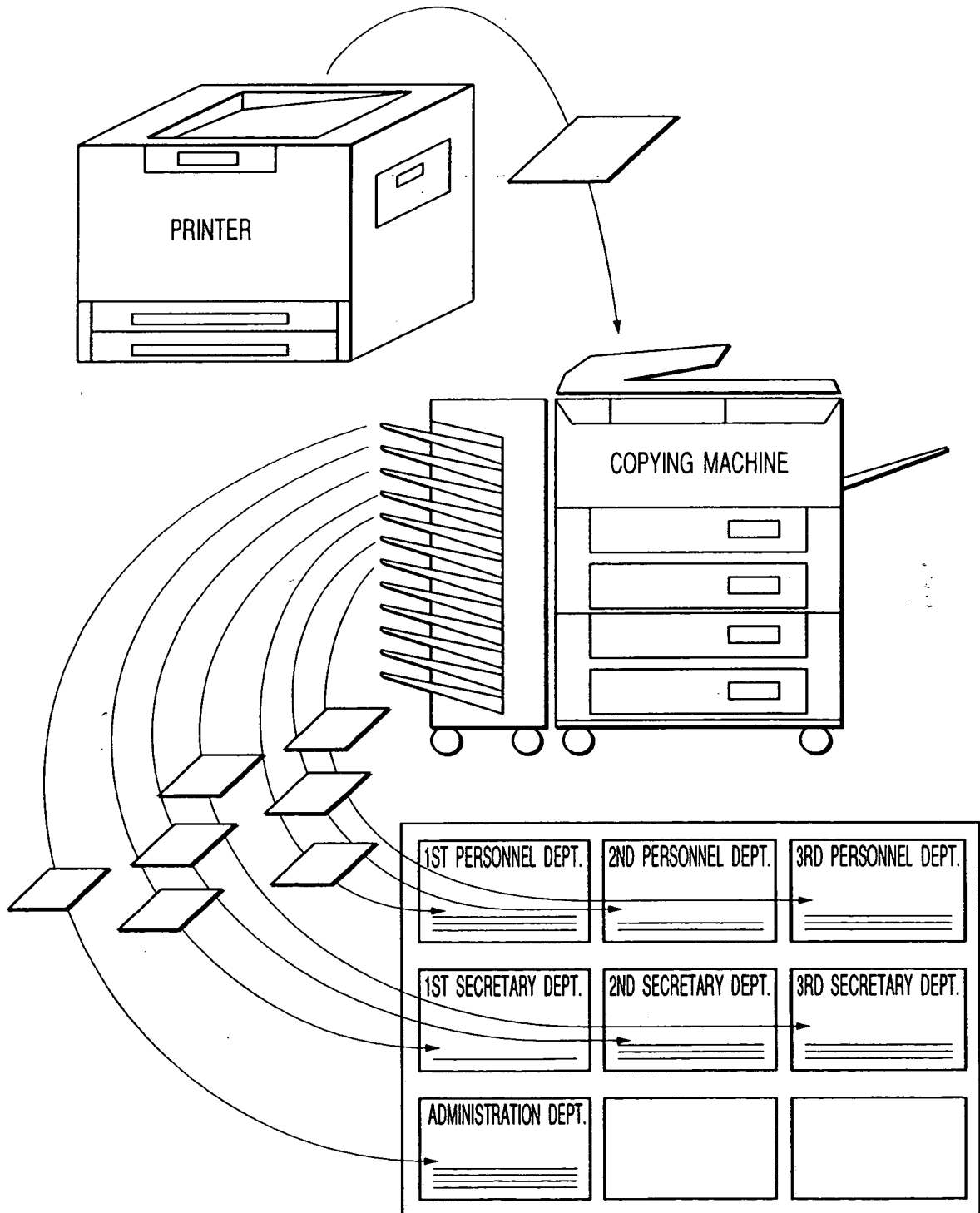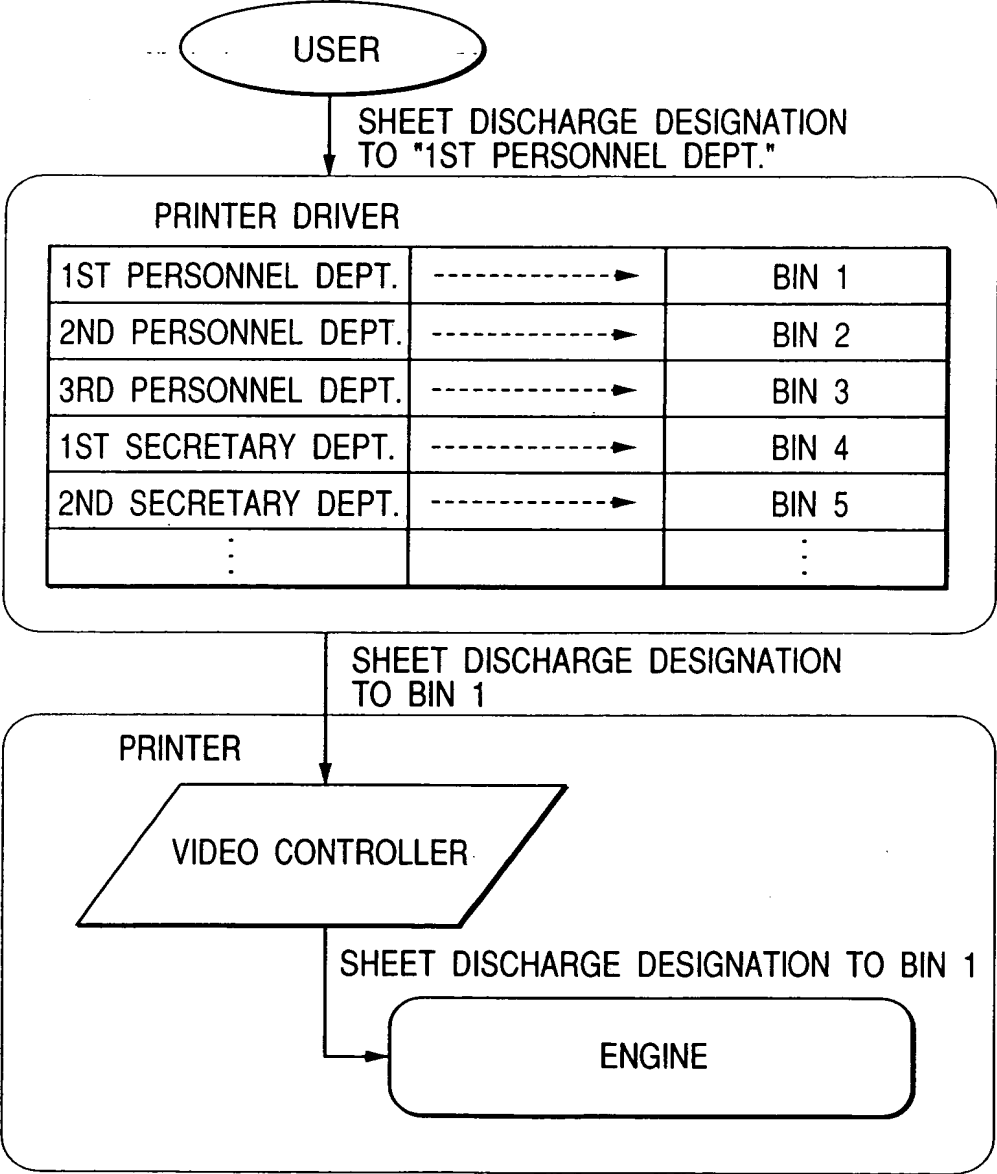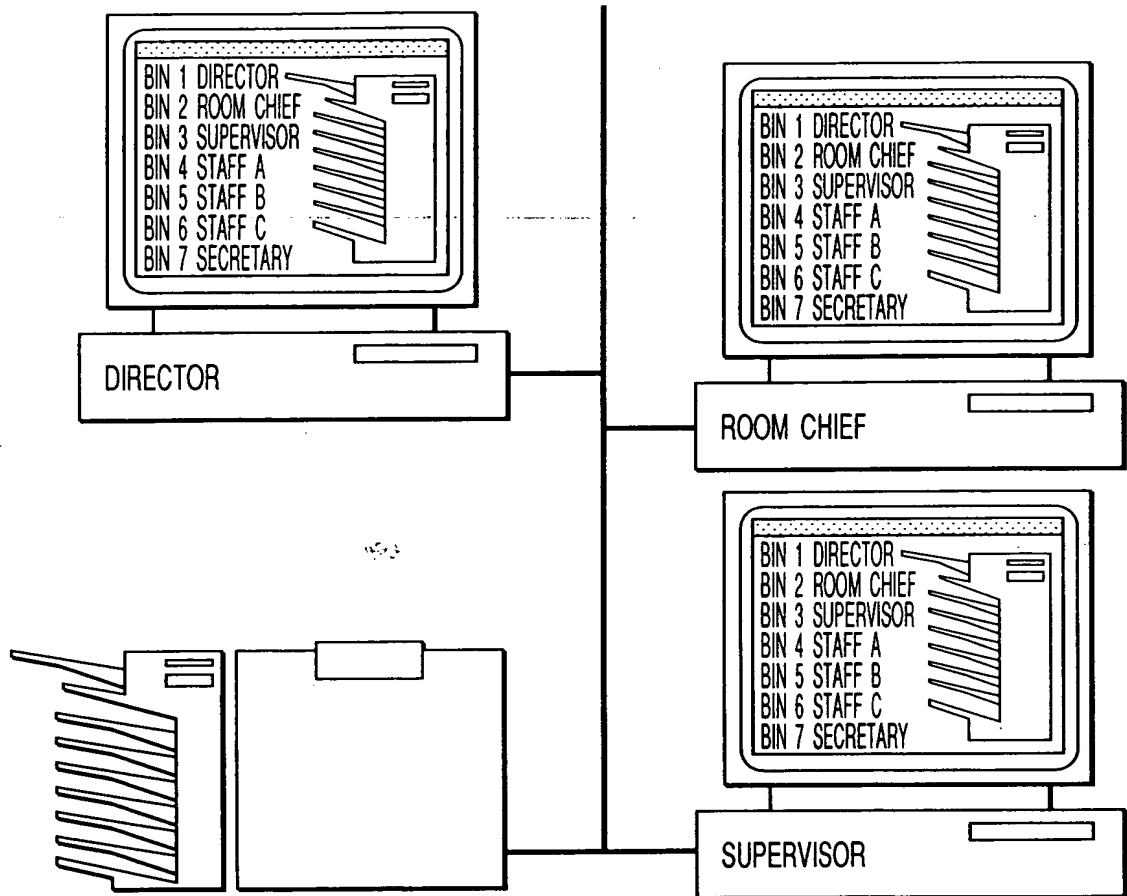| DIRECTORY INFORMATION |
|---|
| 1ST DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIGS. 8 AND 9 |
| 2ND DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 10 |
| 3RD DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 13 |
| 4TH DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 22 |
| 5TH DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 23 |
| 6TH DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 28 |
| 7TH DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 29 |
| 8TH DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 30 |
| 9TH DATA PROC PROGRAM
PROGRAM CODE GROUP CORRESPONDING TO STEPS
IN FLOW CHARTS OF FIG. 31 |

MEMORY MAP OF STORAGE MEDIUM

FIG. 37

PRINTER

COPYING MACHINE

1ST PERSONNEL DEPT.	2ND PERSONNEL DEPT.	3RD PERSONNEL DEPT.
1ST SECRETARY DEPT.	2ND SECRETARY DEPT.	3RD SECRETARY DEPT.
ADMINISTRATION DEPT.		

FIG. 38

USER

SHEET DISCHARGE DESIGNATION
TO "1ST PERSONNEL DEPT."

PRINTER DRIVER

1ST PERSONNEL DEPT.	------------▶	BIN 1
2ND PERSONNEL DEPT.	------------▶	BIN 2
3RD PERSONNEL DEPT.	------------▶	BIN 3
1ST SECRETARY DEPT.	------------▶	BIN 4
2ND SECRETARY DEPT.	------------▶	BIN 5
⋮		⋮

SHEET DISCHARGE DESIGNATION
TO BIN 1

PRINTER

VIDEO CONTROLLER

SHEET DISCHARGE DESIGNATION TO BIN 1

ENGINE

FIG. 39

BIN 1 DIRECTOR
BIN 2 ROOM CHIEF
BIN 3 SUPERVISOR
BIN 4 STAFF A
BIN 5 STAFF B
BIN 6 STAFF C
BIN 7 SECRETARY

DIRECTOR

BIN 1 DIRECTOR
BIN 2 ROOM CHIEF
BIN 3 SUPERVISOR
BIN 4 STAFF A
BIN 5 STAFF B
BIN 6 STAFF C
BIN 7 SECRETARY

ROOM CHIEF

BIN 1 DIRECTOR
BIN 2 ROOM CHIEF
BIN 3 SUPERVISOR
BIN 4 STAFF A
BIN 5 STAFF B
BIN 6 STAFF C
BIN 7 SECRETARY

SUPERVISOR

BIN 1   MIXTURE OF DIRECTOR'S JOB AND ROOM CHIEF'S JOB

BIN 2   MIXTURE OF ROOM CHIEF'S JOB AND DIRECTOR'S JOB

BIN 3   ONLY SUPERVISOR'S JOB

BIN 4   ONLY STAFF A'S JOB

BIN 5   ONLY STAFF B'S JOB

BIN 6   ONLY STAFF C'S JOB

BIN 7   ONLY SECRETARY'S JOB